

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Atty. Docket No.
1856-09501
(98/002)Serial No.
10/024,167Applicant
Alfred E. KELLER, et al.Filing Date
12/18/01Group
1754

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
JW	*AA	1,930,716	10/17/33	Jaeger	260	57	
JW	AB	2,963,348	06/07/57	Sekkers	23	225	
JW	AC	4,038,036	7/26/77	Beavon	23	262	
JW	*AD	4,219,445	8/26/80	Finch	252	443	
JW	*AE	4,271,041	6/2/81	Boudart	252	438	
JW	AF	4,279,882	07/21/81	Beavon	423	574	
JW	AG	4,311,683	01/19/82	Hass, et al.	423	573	
JW	*AH	4,325,842	4/20/82	Slaugh	252	443	
JW	*AI	4,325,843	4/20/82	Slaugh	252	443	
JW	*AJ	4,326,992	4/27/82	Slaugh	252	443	
JW	*AK	4,331,544	5/25/82	Takaya	252	443	
JW	AL	4,406,873	09/27/83	Beavon	423	574	
JW	AM	4,481,181	11/06/84	Norman	423	573	
JW	*AN	4,814,159	03/21/89	Voirin	423	574	
JW	AO	4,886,649	12/12/89	Ismagilov	423	230	
JW	AP	4,889,701	12/26/89	Jones, et al.	423	220	
JW	AQ	4,891,187	01/02/90	Jungfer, et al.	423	248	
JW	AR	4,988,494	01/29/91	Lagas, et al.	423	574	
JW	*AS	5,338,716	8/16/94	Triplett	502	64	
JW	AT	5,397,556	03/14/95	Towler, et al.	423	220	
JW	*AU	5,451,557	9/19/95	Sherif	502	177	
JW	AV	5,512,260	04/30/96	Kilany, et al.	423	242.1	
JW	*AW	5,573,991	11/12/96	Sherif	502	177	
JW	AX	5,597,546	01/28/97	Li, et al.	423	573.1	
JW	AY	5,603,913	2/18/97	Alkhazov	423	230	
JW	AZ	5,639,929	06/17/97	Bharadwaj, et al.	585	658	
JW	*BA	5,648,582	7/15/97	Schmidt	585	652	
JW	BB	5,653,953	08/05/97	Li, et al.	423	576.8	
JW	BC	5,654,491	8/5/97	Goetsch	568	469.9	
JW	BD	5,676,921	10/14/97	Heisel, et al.	423	573.1	
JW	BE	5,700,440	12/23/97	Li	423	231	
JW	BF	5,720,901	02/24/98	De Jong, et al.	252	373	
JW	BG	5,807,410	9/15/98	Borsboom	23	293	
JW	BH	5,814,293	09/29/98	Terorde, et al.	423	576	
JW	BI	5,891,415	04/06/99	Alkhazov, et al.	423	573.1	
JW	BJ	5,897,850	4/27/99	Borsboom	423	576.2	
JW	BK	5,965,100	10/12/99	Khanmamedov	423	576.8	
JW	BL	6,017,507	01/25/00	Nougayrede, et al.	423	573.1	
JW	BM	6,083,471	07/04/00	Philippe, et al.	423	573.1	
JW	BN	6,099,819	08/08/00	Srinivas, et al.	423	573.1	
JW	BO	6,103,206	08/15/00	Taylor, Jr., et al.	423	210	
JW	BP	6,103,773	08/15/00	Wittenbrink, et al.	518	702	

FOREIGN PATENT DOCUMENTS

	BQ	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Translation YES NO
JW	BR	2702675	03/16/93	France	B01	D53/36	Abstract
JW	BS	2023655	11/30/94	RU			Abstract

Timothy Varnoy July 1 2003

Form PTO-1449 (Modified)

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	BT	Watson, et al., The Successful Use of Oxygen in Claus Plants, HTI Quarterly, Winter 1995/1996, pp. 95-101.
	BU	Garrison and Eklens, Chem Eng. Prog. 49, 203-215, 1953
jen	*BV	Claridge, et al., New Catalysts for the Conversion of Methane to Synthesis Gas: Molybdenum and tungsten Carbide, J. Catalysis 180, 85-100 (1998).
jen	*BW	D.A. Hickman, et al., Synthesis Gas Formation by Direct Oxidation of Methane over Pt Monoliths, J. Catalysis 138, pp. 267-282 (1992).
jen	*BX	A. Cybulski and J.A. Moulijn, Transformation of a Structured Carrier into Structured Catalyst, Structured Catalysts and Reactors, Marcel Dekker, pp. 599-615, 1998.
jen	BY	M.E.D. Raymont, Role of hydrogen in Claus plants, Hydrocarbon Processing, 177-179 (1975)
jen	BZ	Richard K. Kerr, et al. A new sulfur-recovery process: The RSRP, Oil & Gas Journal 230-243 (1982)
jen	CA	M.E.D. Raymont, Make hydrogen from hydrogen sulfide, Hydrocarbon Processing, 139-142 (1975)
jen	CB	R.H. Hass, et al, Process meets sulfur recovery needs, Hydrocarbon Processing 104-107 (1981)
jen	CC	J.A. Lagas, et al, Selective-oxidation catalyst improves Claus process, Oil & Gas Journal, 68-71 (1988)
jen	CD	Z.R. Ismagilov, et al, New Catalysts and Processes For Environment Protection, React. Kinet. Catal. Lett., Vol. 55, No. 2, 489-499 (1995)
jen	CE	Kuo-Tsung Li and Ni-Shen Shyu, Catalytic Oxidation of Hydrogen Sulfide to Sulfur on Vanadium Antimonate, Ind. Eng. Chem. Res. 1480-1484 (1997)
jen	CF	J. B. Hync, Methods for desulfurization of effluent gas streams, The Oil & Gas Journal, 64-78 (1972)
jen	CG	B. Gene Goar, Today's Sulfur Recovery Processes, Hydrocarbon Processing Vol 47, No. 9, 248-252 (1968)
jen	CH	R. Gene Goar, First Recycle Selectox unit onstream, Oil & Gas Journal, 124-125 (1982)
jen	CI	Sung Woo Chun, et al, Selective oxidation of H ₂ S to elemental sulfur over TiO ₂ /SiO ₂ catalysts, Applied Catalysis B: Environmental 16, 235-243 (1998) (1927)
jen	CJ	H. Austin Taylor and Charles F. Pickett, The Decomposition of Hydrogen Sulphide, J. Phys. Chem., Vol. 31, pgs. 1212
jen	CK	J. Chao, Properties of Elemental Sulfur, Hydrocarbon Processing, 217-223, (1980)
jen	CL	David M. Haaland, Noncatalytic Electrodes for Solid-Electrolyte Oxygen Sensors, J. Electrochem. Soc.: Electrochemical Science and Technology, Vol 127, No. 4, 796-804 (1980)
jen	CM	J.W. Mellor, A Comprehensive Treatise on Inorganic and Theoretical Chemistry, Vol X, Longmans, Green and Co., New York, 118-119, 128-129, 206-213, 221-223, 144-148, 152-159, 162-166, 393-400
jen	CN	PCT SEARCH REPORT IN PCT/US00/40489 26/07/2000
jen	CO	PCT SEARCH REPORT IN PCT/US00/20252 26/07/2000
	*CP	PCT SEARCH REPORT IN PCT/US01/148795 dated 26 June 2002 (4 pp.)

EXAMINER

Timothy Vanzo

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July 1 2003

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

* refers to references which are being submitted with this Information Disclosure Statement.

TECHNICAL STAFF

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
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JW	AA	4,797,268	01 10 89	McGovern et al	423	574 R	11/30/1987

COPY OF PAPERS
ORIGINALLY FILED

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation	
							YES	NO
	BA							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

JW	CA	PCT SEARCH REPORT IN PCT US01-48792 dated 08 JULY 2002

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